

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/882,082	CAVALLERANO ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Wesner Sajous	2628

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the amendment dated 3/27/06.
2.  The allowed claim(s) is/are 2,4,7,9-11,16,18 and 23.
3.  The drawings filed on 15 June 2001 are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

5.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - (a)  The translation of the foreign language provisional application has been received.
6.  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8.  CORRECTED DRAWINGS must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1)  hereto or 2)  to Paper No. \_\_\_\_\_.
  - (b)  including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.

9.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 5 <input type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. _____. 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material	2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 4 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____. 6 <input type="checkbox"/> Examiner's Amendment/Comment 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9 <input type="checkbox"/> Other
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**DETAILED ACTION****REMARK**

This communication is responsive to the response dated 3/27/06. Claims 2, 4, 7, 9-11, 16, 18 and 23 are presented for examination.

**Allowable Subject Matter**

1. Claims 2, 4, 7, 9-11, 16, 18 and 23, after further consideration and search, are allowed over the prior art.

**Reasons for Allowance**

2. The following is an examiner's statement of reasons for allowance:

After conducting a plurality of database searches, the Examiner respectfully submit that the prior art of record fail to teach a device that receives a plurality of different programs and comprises a user interface that receives a user input identifying an event (e.g., audio, video or shape event) to be detected; using a shape detector to analyze MPEG-4 video signal of at least one program to detect the identified event (e.g., audio, video or shape event) in the program; and a memory for storing particular length of audio and/or video information such that the program containing the identified event is delayed when supplied to a display upon detection of the identified event (as recited in claim 7). The prior art also fails to teach a device that receives audio and video signal comprises a plurality of different programs by using a shape detector device analyzing MPEG-4 video information in the form of DCT coefficient patterns; and a process of detecting text within the video by detecting audio and video events from at least one

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program and using a text recognition device (in the manner recited in claims 11, 16 and 23).

The best prior art of record, e.g., the Tovinkere (US 6640145) and the Hoffberg (US 6678635) references, teach features that are analogous to the underlined claimed invention above; however, Tovinkere and the Hoffberg are not qualified as prior art under 35 USC 102 (e) because they have a priority filing date of Feb. 1, 1999 that is after the Applicants' priority date of November 13, 1998. A newly found reference assigned to Chen et al. (US 20010036229) teaches the use of a shape code detector to identify the shape of an object (see paragraphs 26, 39); however, Chen fails to teach the underlined features in the manner recited in the claims. Accordingly, claims 1-18, 21-24, and 26-27 of the instant application are allowed over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sajous Wesner whose telephone number is 571-272-7791. The examiner can normally be reached on Mondays thru Fridays between 11:00 AM and 7:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on 571-272-7794. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wesner Sajous -WS-

  
6/9/06